

Abstract of the Disclosure

The method, in which a sterilizing agent is used to sterilize bottles of a temperature-sensitive plastic, especially PET bottles, which are being advanced along a conveying path periodically, provides that a peroxide aerosol, heated to the starting temperature of the sterilization, is blown into the interior of the bottles and a peroxide condensate film is formed on the inner wall of the bottles, and subsequently sterile air, with an activation temperature exceeding the sterilization starting temperature of the peroxide aerosol, is blown into the interior of the bottles, until the aerosol condensate has evaporated, after which residues of peroxide are expelled from the interior of the bottles by the renewed blowing in of sterile air.